Amendments to the Claims

Listing of Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Claims 1-7 (Canceled)

Claim 8. (Previously presented) A controlled release coated product in particulate form which is structured to provide a suppressed initial release period and a predetermined longevity comprising:

(a) a particulate core material comprising a water soluble fertilizer composition; and

(b) a single semi-permeable coating layer applied directly onto the surface of the particulate core material for controlling the release rate of the core material so that initial release of core material from the coated product is suppressed such that less than 15 weight percent of core material is released from the coated product within a 24 hour period after application of the coated product and longevity of release between the time of application and the time at which at least 75 weight percent of the core material is released from the coated product is 60 days or less at ambient temperature of about 21° C; and

(c) the single semi-permeable coating layer is formed from dicyclopentadiene ("DCPD") polymers which comprise a cyclo oil alkyd resin based on a natural oil selected from the group consisting of soybean oil and linseed oil, the DCPD polymers providing a uniform continuous polymeric film having a water vapor transmission rate (WVTR) greater than 800 $g.\mu m/m^2.day$.

Claims 9-14. (Canceled)

Claim 15. (Previously presented) A process for producing a controlled release coated product in particulate form which is structured to provide a suppressed initial release period and a predetermined longevity comprising:

(a) providing a particulate core material comprising a water soluble fertilizer composition; and

(b) applying a single semi-permeable coating layer directly onto the surface of the particulate core material to enable the core material to release from the coated product at a rate wherein initial release of core material from the coated product is suppressed so that less than 15 weight percent of core material is released from the coated product within a 24 hour period after application of the coated product and wherein longevity of release between the time of application and the time at which at least 75 weight percent of the core material is released from the coated product is 60 days or less at ambient temperature of about 21° C; the single semi-permeable coating layer being formed from a composition selected from the group consisting of thermoplastic and thermosetting polymers and resins which form a uniform continuous polymeric film having a water vapor transmission rate (WVTR) greater than 800 g.μm/m^2.day.

Claim 16. (Original) The process of claim 15 wherein the thermoplastic and thermosetting polymers and resins are selected from the group consisting of vinyl resins, polyolefines; styrene-based polymers; acrylic polymers; polyesters, poly(oxy alkylene)s, cellulose derivatives, polyamides, polyamines; polycarbonates; polyimides; polysulfones; polysulfides; polysaccharides, polyester resins, epoxy resins; urethane resins; aminoplastics, and dicyclopentadiene ("DCPD") polymers.

Claim 17. (Original) The process of claim 16 herein the vinyl resins are selected from the group consisting of poly(vinyl acetate), poly(vinyl alcohol), poly(vinyl chloride), poly(vinylidene chloride), poly(vinyl pyrrolidone), poly(vinyl acetal) and poly(vinyl methylacetamide).

Claim 18. (Original) The process of claim 16 wherein the polyesters are selected from the group consisting of poly(alkylene terephthalate) and poly(caprolactone).

Claim 19. (Original) The process of claim 16 wherein the polyolefines are selected from the group consisting of polyethylene, polypropylene and polyisobutylene.

Claim 20. (Original) The process of claim 16 wherein the poly(oxy alkylene)s are selected from the group consisting of poly(ethylene oxide) and poly(propylene oxide).

Claim 21. (Original) The process of claim 16 wherein the cellulose derivatives are celluloseacetates.

Claim 22. (Previously presented) A process for producing a controlled release coated product in particulate form which is structured to provide a suppressed initial release period and a predetermined longevity comprising:

(a) providing a particulate core material comprising a water soluble fertilizer composition; and

(b) applying a single semi-permeable coating layer directly onto the surface of the particulate core material to enable the core material to release from the coated product at a rate wherein initial release of core material from the coated product is suppressed so that less than 15 weight percent of core material is released from the coated product within a 24 hour period after application of the coated product and wherein longevity of release between the time of application and the time at which at least 75 weight percent of the core material is released from the coated product is 60 days or less at ambient temperature of about 21° C; the single semi-permeable coating layer being formed from dicyclopentadiene ("DCPD") polymers which comprise a cyclo oil alkyd resin based on a natural oil selected from the group consisting of soybean oil and linseed oil, the DCPD polymers

providing a uniform continuous polymeric film having a water vapor transmission rate (WVTR) greater than 800 g.μm/m^2.day.

Claim 23. (Original) The process of claim 15 for producing a coated product having a longevity of between 28 and 60 days.

Claim 24. (Original) The process of claim 15 for producing a coated product having a longevity of less than 28 days.

Claim 25. (Original) The process of claim 15 wherein the single semi-permeable coating layer has a thickness of about 20 to about 110 μm.

Claim 26. (Original) The process of claim 15 wherein the water soluble fertilizer composition comprises fertilizer granules.

Claim 27. (Original) The process of claim 15 wherein the particulate core material includes at least one secondary nutrient or micronutrient selected from the group consisting of calcium, sulfur, magnesium, iron, copper, zinc, manganese, boron, and molybdenum.